

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P179336

Luminaire Tested: **UTLD-F02-LED-E-U-T2-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179336
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34326)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F02-LED-E-U-T2-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2439.2 lumens
Efficiency: N/A
Efficacy: 44.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



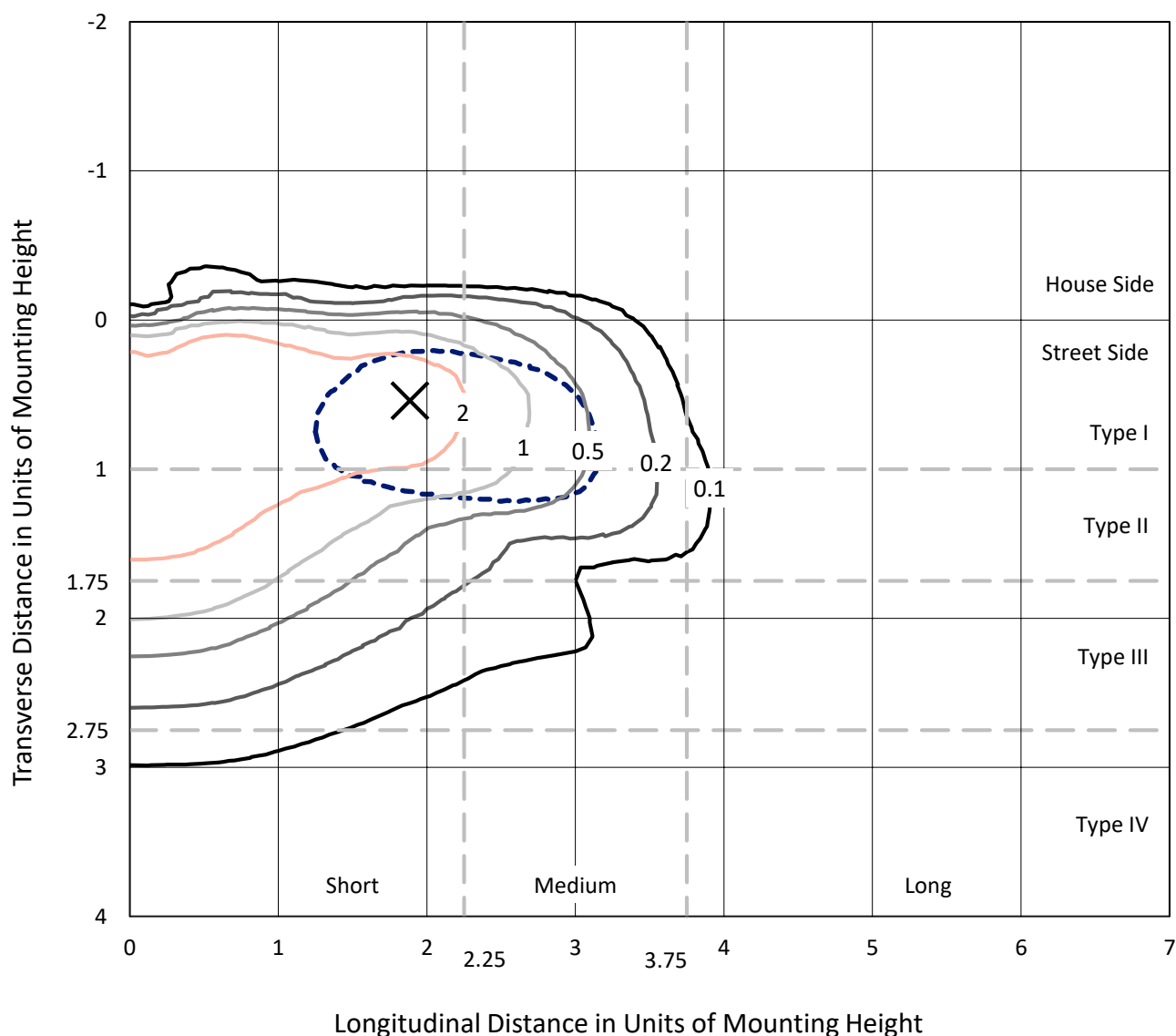
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

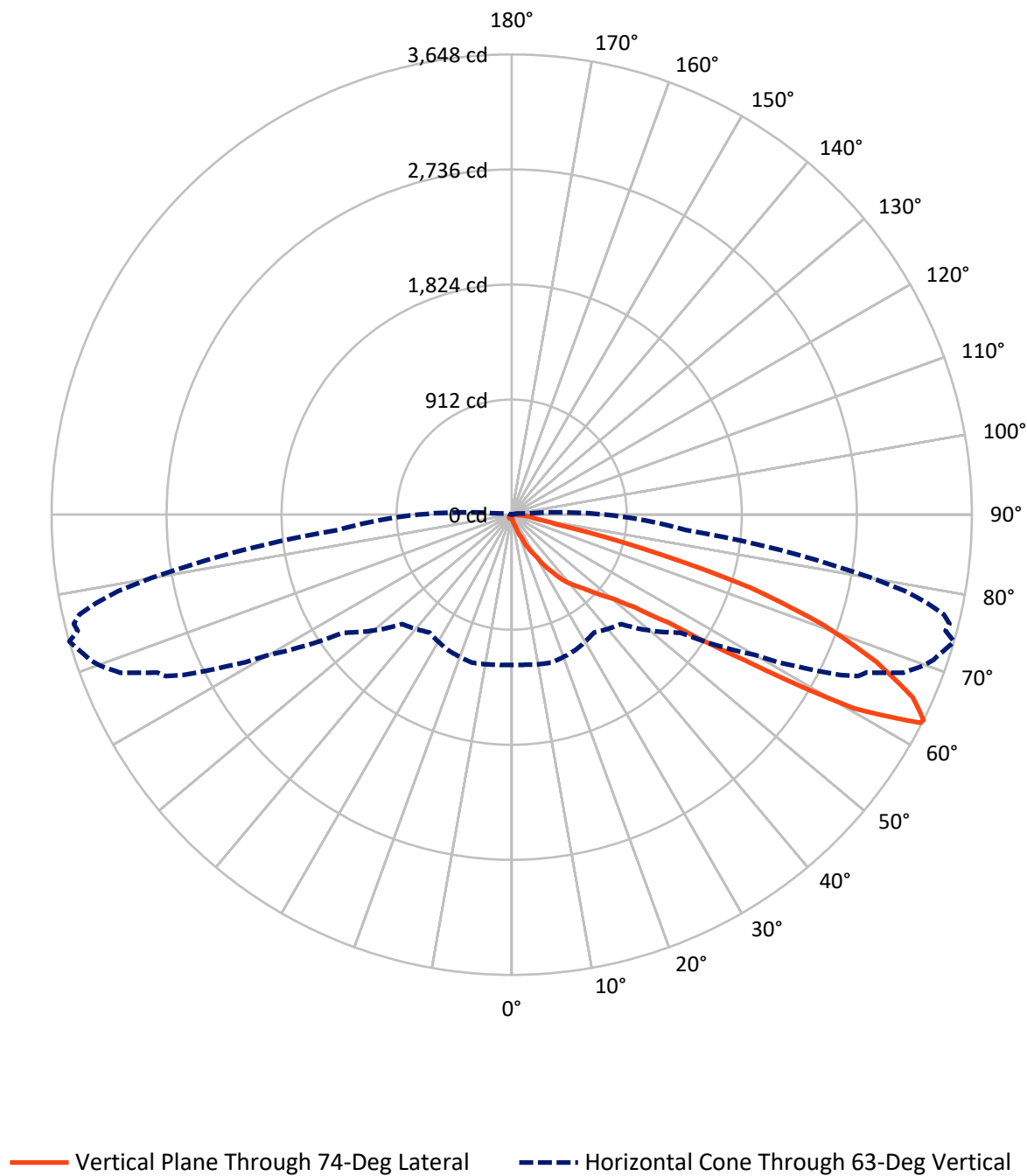


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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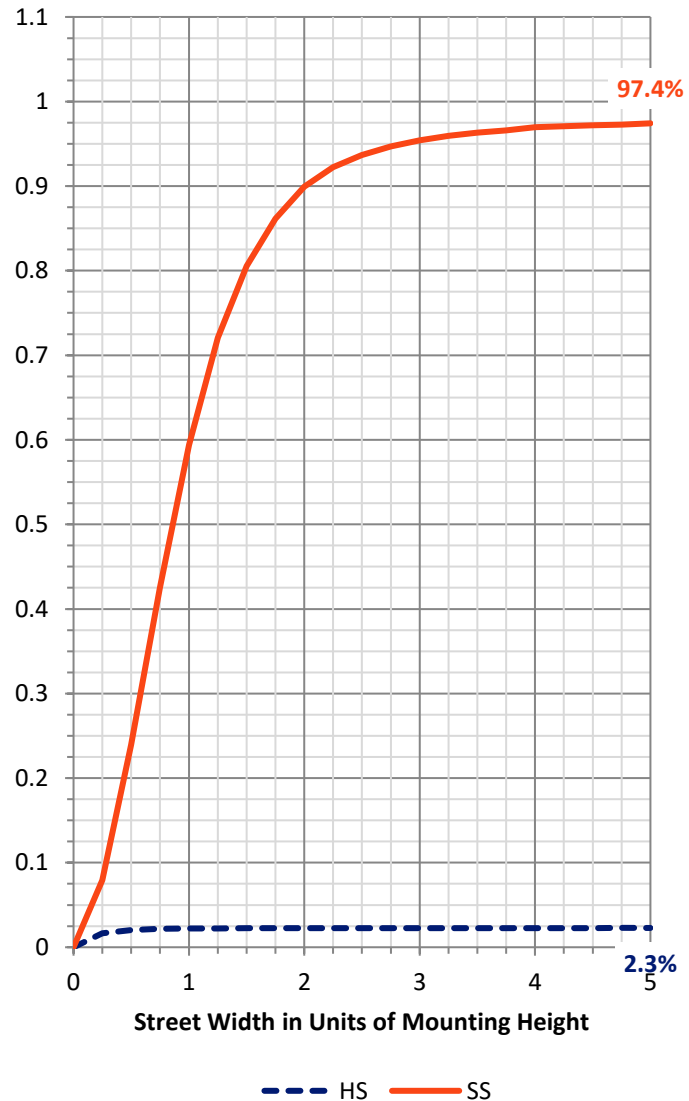
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	56.6	0.0	56.6
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	2382.6	0.0	2382.6
	% Fixture	97.7	0.0	97.7
Total	Lumens	2439.2	0.0	2439.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.2
10°-20°	28.1	1.2
20°-30°	91.1	3.7
30°-40°	217.6	8.9
40°-50°	408.6	16.8
50°-60°	642.2	26.3
60°-70°	754.4	30.9
70°-80°	259.0	10.6
80°-90°	34.3	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2439.2	100.0
0°-180°	2439.2	100.0

Coefficient of Utilization



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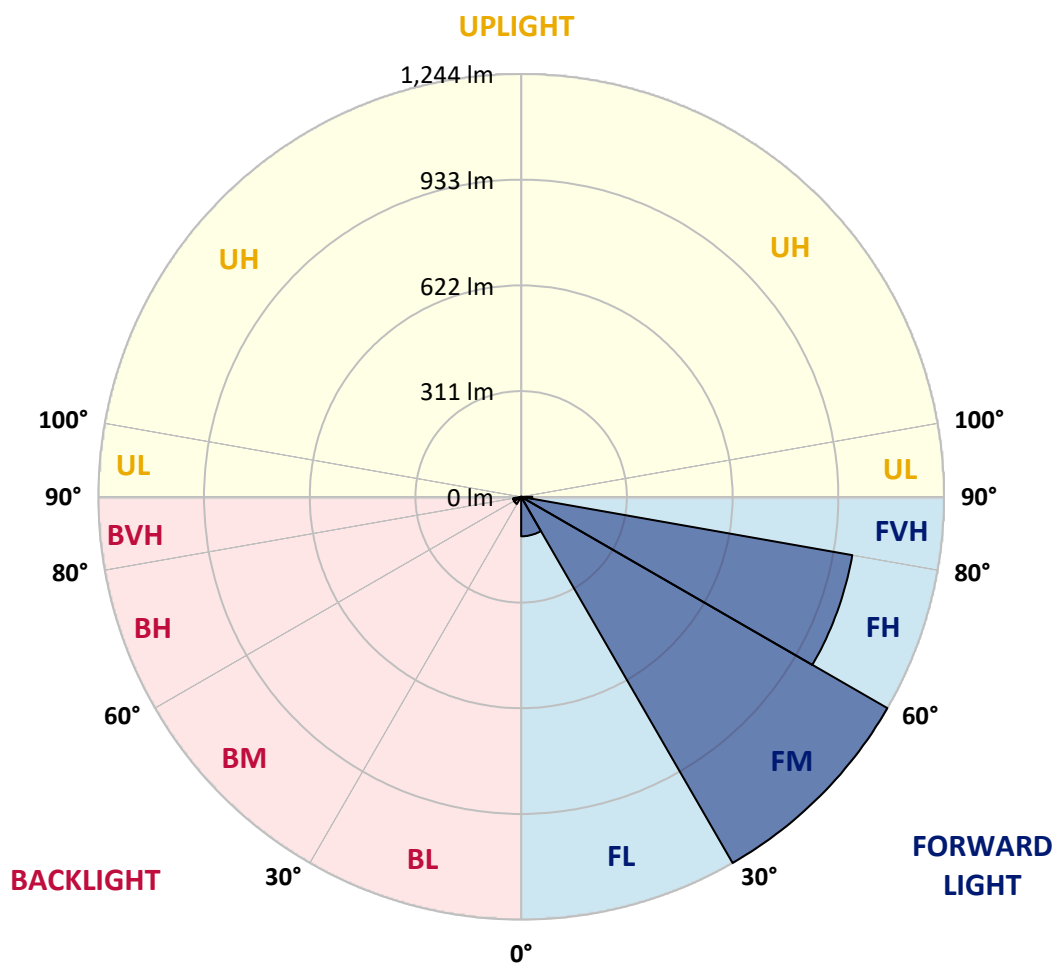
CATALOG NUMBER: UTLD-F02-LED-E-U-T2-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.2	4.8			
FM	(30°-60°)	1244.2	51.0			
FH	(60°-80°)	989.4	40.6			G1/1800
FVH	(80°-90°)	32.8	1.3			G1/100
BL	(0°-30°)	6.9	0.3	B0/110		
BM	(30°-60°)	24.2	1.0	B0/220		
BH	(60°-80°)	24.0	1.0	B0/110		G0/110
BVH	(80°-90°)	1.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
2.5°	46.6	45.7	44.0	42.4	41.5	39.8	39.0	37.3	37.3	36.4	37.3
5°	67.8	64.4	61.0	58.4	55.9	53.4	48.3	44.9	44.0	44.0	42.4
7.5°	127.9	122.8	119.4	114.4	105.0	79.6	59.3	55.1	54.2	53.4	51.7
10°	145.7	144.8	143.2	137.2	129.6	116.0	102.5	70.3	68.6	66.1	66.9
12.5°	209.2	206.7	208.4	197.4	181.3	148.2	134.7	120.3	116.9	114.4	105.0
15°	286.3	282.1	227.9	220.2	205.8	204.1	155.0	138.9	135.5	129.6	123.7
17.5°	303.3	305.8	301.6	283.8	252.4	226.2	221.1	176.2	171.1	168.6	161.8
20°	390.5	390.5	373.6	308.3	309.2	282.9	255.8	224.5	202.5	197.4	204.1
22.5°	403.2	404.9	399.8	404.9	332.1	334.6	337.1	318.5	310.9	301.6	289.7
25°	471.8	474.4	462.5	415.1	429.5	388.8	390.5	366.8	354.9	374.4	371.0
27.5°	536.2	537.9	470.1	469.3	454.0	468.4	488.8	467.6	461.7	453.2	437.1
30°	564.2	567.5	546.4	566.7	540.4	509.9	536.2	566.7	560.8	546.4	550.6
32.5°	685.3	687.0	675.1	609.9	608.2	609.0	648.0	626.8	619.2	602.3	604.8
35°	834.4	833.5	740.3	725.1	682.7	709.0	710.7	731.0	704.8	723.4	705.6
37.5°	953.8	948.7	887.7	871.6	815.7	792.9	809.0	794.6	776.8	792.0	786.1
40°	1058.8	1063.9	1036.0	971.6	939.4	905.5	901.3	861.5	878.4	865.7	864.0
42.5°	1141.9	1150.3	1133.4	1071.6	1026.7	1020.7	1002.9	953.8	980.9	957.2	960.6
45°	1244.4	1241.8	1210.5	1146.1	1115.6	1123.2	1134.2	1096.1	1097.8	1089.3	1069.9
47.5°	1341.8	1340.9	1321.4	1230.8	1192.7	1212.2	1275.7	1267.2	1235.9	1248.6	1203.7
50°	1424.8	1425.6	1402.8	1302.0	1253.7	1299.4	1423.1	1433.3	1418.0	1422.2	1369.7
52.5°	1453.6	1455.3	1445.1	1342.6	1292.6	1362.1	1542.5	1595.0	1610.3	1614.5	1556.9
55°	1424.8	1430.7	1428.2	1339.2	1291.8	1390.1	1646.7	1753.4	1793.3	1815.3	1780.6
57.5°	1370.6	1375.7	1385.8	1329.9	1283.3	1399.4	1739.0	1970.3	2041.5	2087.2	2099.1
60°	1307.0	1313.0	1343.5	1319.7	1270.6	1383.3	1788.2	2166.0	2293.0	2393.8	2553.1
62.5°	1220.6	1226.6	1252.0	1228.3	1175.7	1270.6	1678.1	2220.2	2397.2	2541.2	2837.7
63°	1191.0	1194.4	1213.9	1186.8	1139.3	1226.6	1630.6	2223.6	2411.6	2562.4	2897.8
65°	936.9	943.6	965.7	936.9	926.7	1013.9	1360.4	2114.3	2373.5	2537.0	2949.5
67.5°	511.6	520.1	553.1	540.4	598.9	697.1	902.1	1543.4	1898.3	2130.4	2600.5
70°	371.9	371.9	399.8	408.3	437.1	513.3	595.5	784.4	991.1	1261.3	1861.9
72.5°	270.2	276.1	299.9	323.6	365.1	457.4	587.0	455.7	469.3	553.1	980.1
75°	134.7	146.5	172.8	200.8	244.0	348.1	621.8	472.7	429.5	418.5	500.6
77.5°	31.3	32.2	52.5	103.3	124.5	199.9	492.2	577.7	520.1	492.2	440.5
80°	16.1	16.9	21.2	51.7	56.8	72.0	258.4	609.9	616.7	599.7	494.7
82.5°	8.5	8.5	12.7	22.0	22.0	25.4	73.7	371.0	514.2	583.6	570.9
85°	3.4	3.4	7.6	11.0	11.9	11.0	20.3	145.7	257.5	334.6	448.1
87.5°	0.8	0.8	2.5	4.2	5.1	5.9	9.3	27.1	44.9	61.8	103.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
2.5°	36.4	36.4	36.4	35.6	35.6	35.6	35.6	34.7	34.7	34.7	32.2
5°	41.5	41.5	40.7	39.8	39.8	39.0	39.0	39.0	38.1	38.1	37.3
7.5°	50.8	50.0	49.1	47.4	46.6	45.7	45.7	44.0	43.2	42.4	41.5
10°	66.9	66.1	63.5	61.8	60.1	58.4	56.8	55.9	54.2	53.4	51.7
12.5°	91.5	79.6	77.1	74.5	71.2	68.6	66.9	65.2	64.4	61.8	62.7
15°	132.1	129.6	127.1	125.4	121.1	102.5	94.9	93.2	89.8	87.2	83.9
17.5°	160.1	157.6	151.6	142.3	140.6	137.2	133.0	128.8	108.4	98.3	94.9
20°	207.5	203.3	209.2	207.5	200.8	194.0	186.4	182.1	177.0	167.7	152.5
22.5°	260.1	260.1	252.4	247.3	238.9	227.9	227.0	217.7	199.9	193.1	190.6
25°	371.0	376.1	360.9	341.4	339.7	329.5	304.9	292.2	283.8	274.5	270.2
27.5°	440.5	424.4	410.0	409.1	399.0	367.6	354.1	347.3	351.5	329.5	316.0
30°	532.8	521.0	517.6	502.3	483.7	460.8	456.6	447.3	423.5	392.2	374.4
32.5°	596.3	602.3	613.3	596.3	574.3	568.4	565.8	540.4	508.2	487.1	466.7
35°	715.8	707.3	691.2	665.0	658.2	658.2	639.5	601.4	578.6	565.0	559.9
37.5°	784.4	771.7	748.0	735.3	738.6	732.7	689.5	668.3	658.2	654.8	621.8
40°	858.1	833.5	812.3	815.7	823.4	781.0	757.3	745.4	748.8	721.7	680.2
42.5°	941.1	908.9	897.9	917.4	877.6	846.2	827.6	834.4	820.0	781.0	753.9
45°	1036.8	1004.6	1011.4	1005.5	956.3	927.5	930.1	915.7	888.6	858.9	832.7
47.5°	1151.2	1135.1	1155.4	1096.1	1053.8	1044.4	1038.5	1009.7	974.1	950.4	925.9
50°	1320.6	1329.1	1310.4	1240.1	1201.2	1198.6	1164.7	1122.4	1093.6	1053.8	1015.6
52.5°	1545.9	1570.5	1514.6	1458.7	1434.9	1417.2	1361.3	1313.0	1264.7	1216.4	1159.6
55°	1789.0	1837.3	1774.6	1749.2	1741.6	1752.6	1686.5	1637.4	1578.1	1511.2	1441.7
57.5°	2195.6	2208.3	2166.8	2202.4	2230.4	2234.6	2251.5	2215.1	2192.2	2172.7	2105.0
60°	2717.4	2739.4	2778.4	2903.8	2954.6	3026.6	3044.4	3091.8	3102.0	3118.9	3063.9
62.5°	2995.3	3043.5	3168.1	3315.5	3379.8	3448.4	3503.5	3546.7	3580.6	3635.6	3539.9
63°	3028.3	3077.4	3208.7	3346.8	3414.6	3484.9	3536.5	3570.4	3609.4	3648.4	3561.1
65°	3023.2	3077.4	3244.3	3318.0	3390.8	3429.8	3476.4	3478.9	3550.9	3495.9	3486.6
67.5°	2681.0	2824.2	2941.0	3020.7	3082.5	3113.0	3132.5	3156.2	3204.5	3118.1	3166.4
70°	2103.3	2286.3	2390.4	2488.7	2568.3	2591.2	2608.1	2682.7	2616.6	2624.2	2610.7
72.5°	1196.9	1480.7	1657.7	1763.6	1894.9	1918.6	1958.4	2021.1	1936.4	1979.6	1941.5
75°	642.1	753.1	907.2	1015.6	1068.2	1119.0	1168.1	1130.8	1107.1	1055.5	1045.3
77.5°	462.5	474.4	487.1	477.8	464.2	460.8	439.6	399.0	388.0	355.8	339.7
80°	463.4	419.3	368.5	304.1	236.3	205.8	193.1	188.9	188.9	188.9	177.9
82.5°	524.3	469.3	404.1	323.6	250.7	197.4	163.5	158.4	155.0	155.0	144.8
85°	426.1	420.1	372.7	298.2	233.8	177.0	137.2	111.8	102.5	91.5	87.2
87.5°	103.3	107.6	94.0	82.2	68.6	54.2	47.4	38.1	32.2	29.6	28.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
2.5°	32.2	31.3	30.5	30.5	29.6	25.4	22.0	19.5	17.8	16.9	16.1
5°	37.3	36.4	36.4	35.6	35.6	28.8	19.5	16.9	15.2	13.6	13.6
7.5°	40.7	39.8	39.8	39.0	38.1	34.7	19.5	16.1	12.7	13.6	6.8
10°	50.8	50.0	48.3	47.4	46.6	44.0	23.7	16.9	15.2	5.9	5.1
12.5°	61.8	59.3	57.6	55.9	52.5	44.9	23.7	17.8	9.3	7.6	8.5
15°	79.6	76.2	72.8	70.3	67.8	58.4	31.3	22.0	10.2	9.3	9.3
17.5°	90.6	86.4	83.0	82.2	80.5	58.4	30.5	15.2	11.9	11.9	9.3
20°	138.9	138.1	130.4	121.1	112.7	86.4	41.5	19.5	16.1	11.9	11.9
22.5°	182.1	160.1	149.1	135.5	127.9	103.3	42.4	21.2	18.6	14.4	11.0
25°	249.0	225.3	212.6	194.0	187.2	129.6	46.6	27.1	21.2	15.2	12.7
27.5°	303.3	286.3	278.7	269.4	246.5	160.9	54.2	28.8	21.2	16.9	12.7
30°	353.2	354.1	331.2	302.4	279.5	192.3	57.6	31.3	22.0	16.1	12.7
32.5°	464.2	437.1	398.1	372.7	349.0	221.1	62.7	33.9	21.2	16.1	12.7
35°	528.6	487.1	465.0	442.2	411.7	263.4	68.6	33.0	21.2	15.2	11.9
37.5°	581.1	549.8	527.7	494.7	462.5	295.6	72.0	30.5	20.3	14.4	10.2
40°	647.2	625.1	585.3	556.5	523.5	309.2	74.5	28.0	18.6	12.7	8.5
42.5°	724.2	692.1	654.8	627.7	571.8	351.5	82.2	26.3	16.9	11.0	7.6
45°	804.7	763.2	739.5	682.7	617.5	382.0	88.1	25.4	15.2	9.3	5.9
47.5°	880.1	854.7	803.0	731.0	701.4	429.5	86.4	23.7	13.6	7.6	4.2
50°	984.3	949.6	879.3	838.6	790.3	467.6	83.9	22.9	11.9	6.8	3.4
52.5°	1130.0	1056.3	1001.2	954.7	873.3	521.0	82.2	21.2	10.2	5.1	1.7
55°	1365.5	1250.3	1182.5	1095.3	1006.3	583.6	77.9	18.6	9.3	4.2	1.7
57.5°	1936.4	1811.9	1666.2	1500.2	1341.8	730.2	76.2	16.9	7.6	2.5	0.8
60°	2948.7	2867.4	2653.0	2384.5	2160.0	1027.5	82.2	14.4	5.9	1.7	0.8
62.5°	3539.1	3464.5	3312.1	3118.1	2816.5	1339.2	92.3	11.9	4.2	1.7	0.8
63°	3577.2	3517.1	3367.1	3176.5	2904.6	1382.4	97.4	11.9	4.2	1.7	0.8
65°	3506.0	3453.5	3369.7	3221.4	3044.4	1507.8	112.7	11.0	3.4	1.7	0.8
67.5°	3148.6	3092.7	3035.1	2973.2	2847.0	1548.5	123.7	10.2	2.5	1.7	0.8
70°	2603.9	2553.1	2490.4	2463.3	2394.7	1447.7	129.6	9.3	2.5	1.7	0.8
72.5°	1900.8	1842.4	1791.6	1717.9	1652.6	1095.3	95.7	9.3	1.7	1.7	0.8
75°	965.7	904.7	786.9	731.9	675.1	459.1	39.0	7.6	1.7	1.7	0.8
77.5°	282.1	253.3	205.0	166.0	126.2	82.2	14.4	5.1	1.7	1.7	0.8
80°	166.9	141.5	116.9	92.3	74.5	39.8	8.5	3.4	1.7	2.5	0.8
82.5°	136.4	122.0	100.8	83.0	65.2	29.6	5.9	3.4	2.5	2.5	0.8
85°	78.8	71.2	60.1	48.3	40.7	21.2	4.2	3.4	2.5	3.4	0.8
87.5°	28.8	26.3	24.6	23.7	22.0	15.2	4.2	4.2	3.4	4.2	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	23.7	23.7	23.7	23.7	23.7
2.5°	15.2	16.1	16.1	16.1	16.1
5°	14.4	14.4	12.7	10.2	10.2
7.5°	5.9	6.8	6.8	6.8	6.8
10°	5.1	8.5	9.3	9.3	9.3
12.5°	7.6	7.6	8.5	8.5	9.3
15°	7.6	9.3	10.2	10.2	10.2
17.5°	10.2	8.5	9.3	9.3	10.2
20°	9.3	10.2	10.2	10.2	10.2
22.5°	11.0	10.2	9.3	10.2	10.2
25°	10.2	10.2	9.3	9.3	9.3
27.5°	10.2	9.3	9.3	9.3	9.3
30°	10.2	9.3	8.5	8.5	8.5
32.5°	9.3	8.5	8.5	7.6	7.6
35°	8.5	6.8	7.6	7.6	7.6
37.5°	7.6	5.9	5.9	6.8	5.9
40°	5.9	5.1	4.2	5.1	5.1
42.5°	4.2	3.4	3.4	3.4	3.4
45°	3.4	1.7	1.7	1.7	1.7
47.5°	1.7	0.8	0.8	0.8	0.8
50°	0.8	0.0	0.0	0.0	0.0
52.5°	0.8	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
63°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.8	0.8	0.8	0.0	0.0
75°	0.8	0.8	0.8	0.8	0.8
77.5°	1.7	1.7	1.7	0.8	0.8
80°	2.5	1.7	1.7	0.8	0.8
82.5°	2.5	2.5	2.5	1.7	0.8
85°	3.4	2.5	2.5	2.5	0.8
87.5°	4.2	3.4	3.4	2.5	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)